

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



536650

(43) International Publication Date
17 June 2004 (17.06.2004)

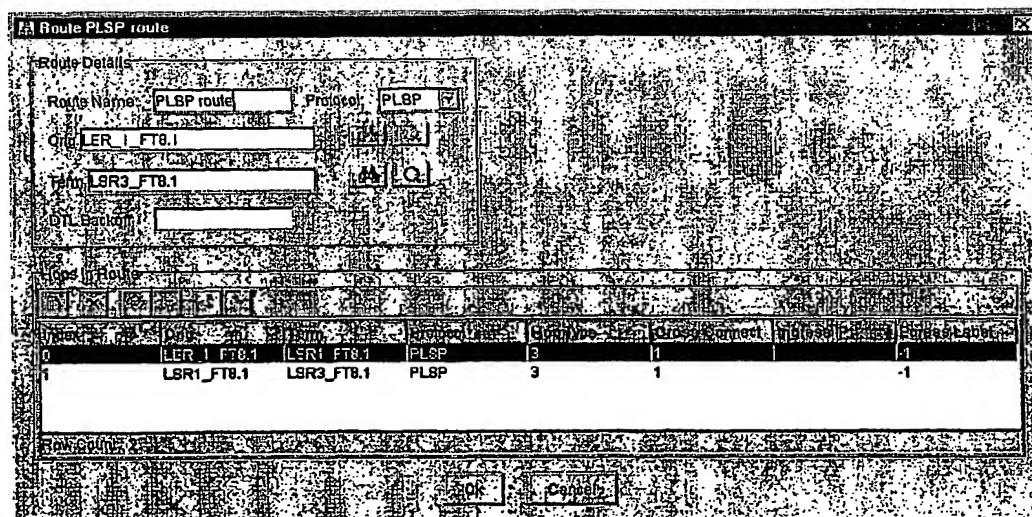
PCT

(10) International Publication Number
WO 2004/051932 A2

- (51) International Patent Classification⁷: **H04L 12/28** (74) Agents: **COCKAYNE, Gillian et al.**; Marconi Intellectual Property, Crompton Close, Basildon, Essex SS14 3BA (GB).
- (21) International Application Number: **PCT/IB2003/006377** (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 20 November 2003 (20.11.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 0227797.8 29 November 2002 (29.11.2002) GB (84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicant (*for all designated States except US*): **MARCONI INTELLECTUAL PROPERTY (RINGFENCE) INC.** [US/US]; 3000 Marconi Drive, Warrendale, PA 15086 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (*for US only*): **MORRIS, Stephen, Brian** [IE/IE]; 82 Kill Avenue, Dun Laoghaire, Co. Dublin (IE).
- Published:
— *without international search report and to be republished upon receipt of that report*

[Continued on next page]

(54) Title: **ROUTE OBJECTS IN TELECOMMUNICATIONS NETWORKS**



(57) Abstract: The invention provides, in a telecommunications network, a route object (RO) computer program product, comprising means for creating a RO which presents a user with editable fields relating to more than one type of RO, and allows the user to specify the contents of one or more of the fields to create any one of the types of RO. The editable fields may relate to a protocol used by the RO, or a type of route defined by a RO, or at least one network element (NE) of a route defined by the RO, or at least one hop of the RO. The RO computer program product may comprise means for interfacing with the user, for example a GUI which presents one or more windows to the user to allow the user to create a RO. For example, a NE listing window may be presented to the user, which comprises a NE context menu having a create RO menu item which brings up a window comprising a RO creation dialog box, which comprises one or more editable fields relating to more than one type of RO and the user specifies the contents of one or more of the fields to create any one of the types of RO.

Best Available Copy

WO 2004/051932 A2



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.